# GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

# (AUTONOMOUS)
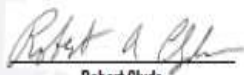
# Information Systems Audit and Control Association



# ANNUAL REPORT

# Certificate of Recognition

ISACA OFFICIALLY RECOGNIZES

whose purpose is student empowerment, to raise awareness of ISACA, and to expand recognition of the IT Audit and Assurance, Security and IT Governance disciplines, by extending education beyond the classroom on standards, practices and certification.

**ACADEMIC YEAR**
**2018-2019**

**Robert Clyde**
International President
Chair, Board of Directors

**Tim Mason**
Chief Marketing Officer

**ISACA**
**Student Group**

ISACA
**Information Systems Audit
and Control Association**

## <u>ISACA Student Group Best Practices</u>

Through a coordinated survey effort involving ISACA Student Group (ISG) leaders, Academic Advocates, Chapter leaders, and volunteer committee members, we are pleased to be able to share with you these 12 valuable insights that have allowed some of the most successful and active ISGs to thrive. Please note- some of these points of view are written with the student in mind while others are specific to the Academic Advocate.

If you have any questions about forming an ISACA Student Group or would just like more information about the program, please email students@isaca.org.

• Students should actively seek to hold an officer position within the ISG. Those students that have say it helped to enhance their networking and leadership skills, provided additional recognition for them in their chosen profession, and it also helped to build their resumes.

• If interest in starting or continuing an ISG is low, consider partnering with other on-campus professional student groups (IIA, ACFE, etc.) or other departments at the university (i.e. Depts. of Accounting, Business Admin., Engineering, Computer Science, etc.). This will help successfully create one large group that can collaborate on joint activities and host group events.

• Once your ISG is created and officially recognized, begin your succession planning right away. Informally discuss the upcoming school year, which students would benefit from participating, and which students would make good incoming leaders. Having these discussions early and often will help ensure successful continuation of the group long after the founding members have graduated.

• Some Academic Advocates may find that running the week-to-week, month-to-month operations of the ISG challenging at times (even if you have an active ISG president). Consider involving other university faculty members (even those from other departments) to help with the planning and managing of ISG activities.

• Have some fun business cards, ISG stickers, or pens printed up with your ISG logo. Use these as giveaways to promote your group on campus and encourage other students to participate.

• If finding funds to host ISG events and activities is a challenge, consider asking the local ISACA Chapter to make a donation to help cover costs.

• If additional funding is needed to host ISG events and activities, consider charging the members annual dues to participate in the student group. Those groups that do this successfully will often times have food, meals and/or other refreshments at their meetings to help justify the cost of joining the group. ISGs can even secure sponsors (a local deli or pizza place) to help provide lunches for the meetings, so the actual cost for food would be marginal (or in some cases nothing at all).

• ISG leaders should look to establish relationships with local ISACA Chapter members and see them as would-be "mentors".

• Be sure to work with the local Chapter to help schedule "mini- training events" or other similar events for students and members of the ISG once or twice throughout the year.

• Work with the local Chapter to discuss the possibility of combining certain college or university events with on-going ISACA outreach events.

• Students and ISG members are often welcome to attend local ISACA Chapter meetings. Contact the chapter ahead of time to discuss the possibility of attending their meetings.

• Students and ISG members may also be invited to attend paid Chapter events at a reduced cost or no cost. Contact the Chapter to see what opportunities may be available.

# 2019-20

**ISACA SB EXECUTIVE COMMITTEE**

SWETHA NAMBURU
**ISACA  FACULTY  COORDINATOR**



SHUBHAM KUMAR JENA
**PRESIDENT**



THELLA SAI KRISHNA
**VICE-PRESIDENT**



OJESVI C KANUMURI
**SECRETARY**



B.VYSHNAVI
**EVENTMANAGER**

# INDEX

| S.No | DATE | Category: Workshop, Seminars,Conference, Guest lectures, Motivational speech, Tech talks, Industrial visits, extra and co-curricular activities including professional body events etc., | Title of event & venue | | Total Participants | Department organized/ Professional Body Organized |
|---|---|---|---|---|---|---|
| 1 | 23-March-2019 | | ISACA Inaguration | | | |
| 2 | 20-July-19 | Workshop | Prototype Design | GRIET | 15 | ISACA |
| 3 | 27-July-19 | Guest Lecture | Application of Information and Communication Technology for Waste-to-Electricity Generation | GRIET | 103 | ISACA |
| 4 | 26-Sep-19 | Guest Lecture | Design of Microwave Oscillator | GRIET | 63 | ISACA |
| 5 | 19-Feb-2020 to 20-Feb-2020 | Workshop | Cyber Disease | GRIET | 83 | ISACA |
| 6 | 06 June 2020 | Webinar | WEBINAR on AI and ML Approaches in Speech Systems | Speech Processing Lab, IIIT Hyderabad | 110 | ISACA |

# ISACA INAGURATION

**Date : 23$^{rd}$ March 2019 ,**
**Time : 9:00am to 2:00pm.**
**Venue : ECE Block Seminar Hall**
**No. Of Attendees: 106**

ISACA was founded in 1969 which is  a  Global non-profit, professional association which has being serving more than 140,000 professionals, 190 countries and has been  expanding its enterprise/corporate presence .It offers various Certifications, Education & Training, Conferences, Knowledge & Insights ,Cybersecurity Nexus Platform ,COBIT Framework and CMMI Framework. GRIET is privileged to inaugurate ISACA student body on 23$^{rd}$ March 2019 by Dr.Krishna Sastry Pendyala

**GRIET ISACA STUDENT GROUP**

Inauguration on 23rd March 2019

**Chief Guest : Dr. Krishna Sastry Pendyala**

Executive Director, PwC, Hyderabad

**Guest of Honour : Prof. Kamakshi Prasad**

Director of Evaluation, JNTUH

**STEERING COMMITTEE**

Principal
Dr. J. Praveen

Industry Expert
Mr. G. Srinivas Reddy

Director
Dr. Jandhyala. N. Murthy

HOD ECE
Dr. N. Swetha

**OFFICE BEARERS**

Student President
Shubham Kumar Jena

Student Vice President
T Sai Krishna

Student Secretary
Ram

Student Treasure

Faculty Adviser
Dr. T. Jagan

Adviser from ISACA
Srinivas Reddy

Venue:
**ECE Seminar Hall (2406/07)**

# EVENT SUMMARY REPORT

| Griet/Other institutes/Organization Address: | GRIET | | |
|---|---|---|---|
| **Department** | ECE | **Professional Body** | **Institutional Body** |
| | | ISACA | Student Group |
| **Nature of the Event** (Workshop / Seminar / Guest Lecture / Tech Talk/ FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities | Student's Chapter Inauguration | | |
| **Title / Theme of the Event** | ISACA INAUGURATION | | |
| **Details of the Coordinator & Designation** | Dr. N. Swetha, Professor | | |

| **Event Dates/Days** | From | To | No. of Days | |
|---|---|---|---|---|
| | 23 March 2019 | 23 March 2019 | 1 | |

| **Details of the Speaker / Guest** Organization Address: | Dr.Krishna Sastry Pendyala (Executive Director.PwC Hyderabad) | | | | |
|---|---|---|---|---|---|

| **Participants** (Teaching Faculty / Non-Teaching Faculty / Students) | No. of Faculty | No. of UG students | No.of PG Students | No. of outside participants | Total Participants |
|---|---|---|---|---|---|
| | 6 | 100 | 0 | 0 | 106 |

| | |
|---|---|
| **Faculty Names & Designation** | Dr. N. Swetha,(Professor)<br>Dr.V.Himabindu(Professor)<br>R.UmaSuseela(Asst.Prof)<br>Ch.PratyushaChowdary(Asst.Prof)<br>P.Divya(Asst.Prof)<br>P.Lakshmi Kala(Asst.Prof) |
| **Summary of the Event** | ISACA was founded in 1969 which is a Global non-profit, professional association which has being serving more than 140,000 professionals, 190 countries and has been expanding its enterprise/corporate presence .It offers various Certifications, Education & Training, Conferences, Knowledge & Insights ,Cybersecurity Nexus Platform ,COBIT Framework and CMMI Framework.<br><br>GRIET is privileged to inaugurate ISACA student body on 23$^{rd}$ March 2019 by Dr.KrishnaSastryPendyala |
| **IRG** (in rupees) | |
| **Expenditure** (in rupees) | INR 16315/- |
| **POs attained with this Event** (number and description) | • PO i. Ability to recognize the need for, and to engage in life-long learning.<br><br>• PO j. Develop knowledge of contemporary issues.<br><br>• PO k. Ability to utilize experimental, statistical and computational methods and tools necessary for engineering practice.<br><br>• PO l. Ability to demonstrate knowledge and understanding of Electronics and Communication Engineering with management principles and apply these to one's own work, as a member and leader in a team, to manage projects. |

# PROTOTYPE DESIGN

**Date : 20th July 2019 ,**
**Time : 9:00am to 5:00pm.**
**Venue : Seminar Hall,ECE Block.GRIET**
**No. Of Attendees: 15**

ISACA  has conducted Prototype Design Workshop on 20th July 2019.

In Session 1, an audio amplifier is designed, fabricated and tested by the students.

In Session2, The importance of "ISACA CSX Cybersecurity" and 5 Domains overview is presented. Also the procedure for preparation, registration and certification is shown.

The **Cybersecurity Fundamentals Certificate** is an ideal way to earn a certificate that showcases your knowledge and skills in this increasingly in-demand field. It tests your knowledge in five key areas: (1) Cybersecurity Concepts, (2) Cybersecurity Architecture Principles, (3) Security of Network, System, Application & Data, (4) Incident Response, and (5) Security of Evolving Technology.

# EVENT SUMMARY REPORT

| Griet/Other institutes/Organization Address: | GRIET | | |
|---|---|---|---|
| **Department** | ECE | **Professional Body** | **Institutional Body** |
| | | ISACA | Student Group |
| **Nature of the Event** (Workshop / Seminar / Guest Lecture / Tech Talk/ FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities | Workshop | | |
| **Title / Theme of the Event** | Prototype Design | | |
| **Details of the Coordinator & Designation** | Dr. N. Swetha, Professor | | |

| | From | To | No. of Days | |
|---|---|---|---|---|
| **Event Dates/Days** | 20 July 2019 | 20 July 2019 | 1 | |

| **Details of the Speaker / Guest** Organization Address: | Mr. G. Srinivasa Reddy, ISACA Advisor | | | | |
|---|---|---|---|---|---|

| **Participants** (Teaching Faculty / Non-Teaching Faculty / Students) | No. of Faculty | No. of UG students | No.of PG Students | No. of outside participants | Total Participants |
|---|---|---|---|---|---|
| | 3 | 15 | 0 | 0 | 15 |

| **Faculty Names & Designation** | Dr. N. Swetha, Professor<br>P. Sampath Krishna Reddy, Assistant Professor |
|---|---|

| | |
|---|---|
| | J. Gayathri, Assistant Professor<br>Y. Mareswararao, Assistant Professor<br>G. Surekha, Associate Professor<br>S. Sai Kumar, Lab Assistant |
| **Summary of the Event** | In Session 1, an audio amplifier is designed, fabricated and tested by the students.<br><br>In Session2, The importance of "ISACA CSX Cybersecurity" and 5 Domains overview is presented. Also the procedure for preparation, registration and certification is shown. |
| **IRG** (in rupees) | INR 3000/- |
| **Expenditure** (in rupees) | INR 3302/- |
| **POs attained with this Event** (number and description) | POa, POc, POd, POf, POg, POi, POj |

| | |
|---|---|
| **Photographs of the event**<br>(Hard copy and Soft copy) |  |
| **Proofs:**<br>**1.Certificates copies**<br>**2.Profile of Speaker**<br>**3.PPT/Material as applicable. etc.** | CSX Fundamentals Certification<br><br>The **Cybersecurity Fundamentals Certificate** is an ideal way to earn a certificate that showcases your knowledge and skills in this increasingly in-demand field. It tests your knowledge in five key areas: (1) Cybersecurity Concepts, (2) Cybersecurity Architecture Principles, (3) Security of Network, System, Application & Data, (4) Incident Response, and (5) Security of Evolving Technology. |

# Application of Information and Communication Technology for Waste-to-Electricity Generation By Improving Thermal Efficiency

**Date : 27th July 2019 ,**
**Time : 11:00am to 12:30pm.**
**Venue : Seminar Hall ,ECE Block, Griet**
**No. Of Attendees: 103**

ISACA has conducted guest lecture on Application of Information and Communication Technology for Waste-to-Electricity Generation By Improving Thermal Efficiency on 27th July 2019 in Seminar Hall,ECE Block, Griet.
Dr HafeezBasha advisor at UPSC and mentor at NITI Aayog is the speaker.
The main aim of this lecture is to make the students

- Understand  professional and ethical responsibility.
- Broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- Knowledge of contemporary issues.

## EVENT SUMMARY REPORT

| GRIET/Other institutes/Organization Address: | GokarajuRangaraju Institute of Engineering and Technology | | | | |
|---|---|---|---|---|---|
| **Department** | ECE | **Professional Body** | | **Institutional Body** | |
| | | | | | |
| **Nature of the Event** (Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities | **Guest Lecture** | | | | |
| **Title / Theme of the Event** | Application of Information and Communication Technology for Waste-to-Electricity Generation | | | | |
| **Details of the Coordinator& Designation** | Priyanka Y Asst.Prof | | | | |

| **Event Dates/Days** | From | To | No. of Days | |
|---|---|---|---|---|
| | 27/07/19 | | 1 | |

| **Details of the Speaker / Guest** OrganizationAddress: | Dr HafeezBasha advisor at UPSC and mentor at NITI Aayog | | | | |
|---|---|---|---|---|---|
| **Participants** (Teaching Faculty / Non-Teaching Faculty / Students) **Enclose participants list** | No.of Faculty | No. of UG students | No.of PG Students | No.of outside participants | Total Participants |
| | 3 | 100 | | | 103 |

| | |
|---|---|
| **Faculty Names & Designation** | Y.Priyanka(Asst.Prof)<br>Dr.Ayyem Pillai (Prof)<br>M.Vijaya Kumar(Asst.Prof) |
| **Summary of the Event** | Attached |
| **IRG (**in rupees**)**<br>**Deposited A/C no A/C name and date and other details(enclose proof-A/C statement)** | Nil |
| **Expenditure (**in rupees**)**<br>**(Enclose proof-bills)** | Rs 686/- (Proofs attached) |
| **POs attained with this Event** (number and description) | **PO-f:** Understanding of professional and ethical responsibility.<br>**PO-h:** Broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.<br>**PO-j:** Knowledge of contemporary issues. |
| **Photographs of the event** (Hard copy and Soft copy) |  Hard copy Attached |
| **Proofs:**<br>**1.Certificates copies**<br>**2.Profile of Speaker**<br>**3.PPT/Material as applicable. etc.,** | Enclosed |

# Design of Microwave Oscillator

**Date : 26th September 2019 ,**
**Time : 10:00am to 12:30pm.**
**Venue : Seminar Hall ,ECE Block, Griet**
**No. Of Attendees: 63**

ISACA has successfully conducted a guest lecture on 26th September 2019 on Design of Microwave Oscillator and the speaker is Surya Pratap R &D Enginner @LightMotif. He explained the students the design of oscillator He explained that any electronic oscillator can be understood by employing either a feedback oscillator model or a negative resistance model, and be aware of the equivalence between the two models,most common RF feedback oscillator topologies, such as Copitts, Hartley, Clapp/Gouriet and Pierce,,the advantages of the cross-coupled oscillator topology compared with other topologies, application of various types of high stability resonator such as crystals, cavities, dielectric resonators and YIG resonators and also explained  how to generate negative resistance in a transistor using feedback

# EVENT SUMMARY REPORT

| GRIET/Other institutes/Organization Address: | Gokaraju Rangaraju Institute of Engineering and Technology | | | | |
|---|---|---|---|---|---|
| Department | ECE | Professional Body | Institutional Body | | |
| | | ISACA | GRIET | | |
| Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities | Guest Lecture | | | | |
| Title / Theme of the Event | Design of Microwave Oscillator | | | | |
| Details of the Coordinator& Designation | Dr.N.Swetha , Y.Priyanka<br>　　　Prof 　　　 Asst Prof | | | | |
| Event Dates/Days | From | To | No. of Days | | |
| | 26/09/2019 | | 1 | | |
| Details of the Speaker / Guest Organization Address: | Surya Pratap<br>R &D Enginner @LightMotif | | | | |
| Participants (Teaching Faculty / Non-Teaching Faculty / Students) | No.of Faculty | No. of UG students | No.of PG Students | No.of outside participants | Total Participants |
| Enclose participants list | 3 | 60 | | | 63 |

s

| | |
|---|---|
| **Faculty Names & Designation** | Dr N.Swetha |
| **Summary of the Event** | Attached |
| **IRG** (in rupees) **Deposited A/C no  A/C name and date and other details(enclose proof-A/C statement)** | 3000/-(Honororium) |
| **Expenditure** (in rupees) **(Enclose proof-bills)** | - |
| **POs attained with this Event** (number and description) | PO b. Ability to design and conduct experiments, as well as to analyze and interpret data. PO c. Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability. PO d. Ability to function on multi-disciplinary teams. PO e. Ability to identify, formulate, and solve engineering problems. |
| **Photographs of the event** (Hard copy and Soft copy) |  |
| **Proofs:** **1.Certificates copies** **2.Profile of Speaker** **3.PPT/Material as applicable.** **etc.,** | Enclosed |

# Cyber Disease

**Date : 19<sup>th</sup> Feb 2020 and 20<sup>th</sup> Feb 2020 ,**
**Time : 9:00am to 4:00pm.**
**Venue : Seminar Hall ,ECE Block, Griet**
**No. Of Attendees: 83**

ISACA has conducted 2 Days Workshop on Ethical Hacking & Cyber Security for students.There will be Competition at the end of workshop and Shortlisted students will be send to Final Round and Final round on 14th March 2020 at Aakaar 2020, IIT Bombay

# EVENT SUMMARY REPORT

| GRIET/Other institutes/Organization Address: | GokarajuRangaraju Institute of Engineering and Technology | | | | |
|---|---|---|---|---|---|
| **Department** | **ECE** | **Professional Body** | | **Institutional Body** | |
| | | **ISACA** | | | |
| **Nature of the Event** (Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities | WEBINAR | | | | |
| **Title / Theme of the Event** | AI AND ML APPROACHES IN SPEECH SYSTEMS ISACA SG, GRIET in association with Speech Processing Lab, IIIT Hyderabad | | | | |
| **Details of the Coordinator& Designation** | Dr N.Swetha Professor Dr. V. Srihari K.N.V Khasim | | | | |
| **Event Dates/Days** | From | To | No. of Days | | |
| | 06/06/2020 | | 1 | | |
| **Details of the Speaker / Guest** OrganizationAddress: | Dr. ANIL KUMAR VUPPALA, Associate professor, IIIT Hyderabad. | | | | |
| **Participants** (Teaching Faculty / Non-Teaching Faculty / Students) **Enclose participants list** | No.of Faculty | No. of UG students | No.of PG Students | No.of outside participants | Total Participants |
| | 110 | | | 79 | 110 |

| | |
|---|---|
| **Faculty Names & Designation** | Dr N.Swetha<br>Dr. V. Srihari<br>K.N.V Khasim |
| **Summary of the Event** | Introduction to ML algorithms in speech processing applications |
| **IRG** (in rupees) **Deposited A/C no A/C name and date and other details(enclose proof-A/C statement)** | Nil |
| **Expenditure** (in rupees) **(Enclose proof-bills)** | Nil |
| **POs attained with this Event** (number and description) | <ul><li>PO c.Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.</li><li>PO d. Ability to function on multi-disciplinary teams.</li><li>PO e. Ability to identify, formulate, and solve engineering problems.</li><li>PO j. Develop knowledge of contemporary issues.</li></ul> |
| **Photographs of the event** (Hard copy and Soft copy) |  |
| **Proofs:**<br>**1.Brochure**<br>**2.Participants etc.,** | Enclosed |